

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			
Date Submitted: December 2, 2003			
(use as many sheets as necessary)			
Sheet	1	of	4
<b>Complete if Known</b>			
		Application Number	APPL NO 10/724,727
		Filing Date	12/02/2003
		First Named Inventor	Dexiang CHEN
		Group Art Unit	Unassigned- 1648
		Examiner Name	Unassigned- Chen
Attorney Docket Number			
038481-0143			

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
SBC	A1	4,945,050		Sanford et al.	07/31/1990
	A2	5,100,792		Sanford et al.	03/31/1992
	A3	5,120,657		McCabe et al.	08/09/1992
	A4	5,149,655		McCabe et al.	09/22/1992
	A5	5,204,253		Sanford et al.	04/01/1993
	A6	5,346,481		Bunin	09/13/1994
	A7	5,503,632		Haak	04/02/1998
	A8	5,589,468		Modi	01/29/1998
	A9	5,584,807		McCabe	12/17/1998
	A10	5,589,466		Felgner et al.	12/31/1998
	A11	5,630,798		Bellhouse et al.	05/20/1997
	A12	5,718,913		Dhuique-Mayer et al.	02/17/1998
	A13	5,738,852		Robinson et al.	04/14/1998
	A14	5,780,448		Davis	07/14/1998
	A15	5,785,888		Joshi et al.	07/28/1998
	A16	5,840,336		Hsu et al.	11/24/1998
	A17	5,865,798		McCabe	02/02/1999
	A18	5,871,460		Phipps et al.	02/16/1999
	A19	5,871,751		Christensen et al.	02/16/1999
	A20	5,900,238		Gombotz et al.	05/04/1999
	A21	5,919,463		Thomas, Jr. et al.	04/06/1999
	A22	5,968,008		Hofmann	10/19/1999
	A23	5,983,130		Phipps et al.	11/09/1999
	A24	5,989,586		Hsu et al.	11/23/1999
	A25	6,008,200		Krieg	12/18/1999
	A26	6,009,345		Hofmann	12/28/1999
	A27	6,010,705		Thune et al.	01/04/2000
	A28	6,049,733		Phipps et al.	04/11/2000
	A29	6,168,587		Bellhouse et al.	01/02/2001
V	A30	6,194,389		Johnston et al.	02/27/2001

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Number <sup>4</sup>		
SBC	A31	WO 94/24283			10/27/1994
	A32	WO 96/02555			02/01/1996
	A33	WO 96/04947			02/22/1996
	A34	WO 98/12513			05/02/1996
	A35	WO 98/14855			05/23/1996
V	A36	WO 98/20022			07/04/1996

Examiner Signature	<i>Stacy B. Chen</i>	Date Considered	Jan. 7, 2005
--------------------	----------------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>4</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>5</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: December 2, 2003 <i>(use as many sheets as necessary)</i>				<b>Complete If Known</b>	
Sheet	2	of	4	Application Number	APPL NO <i>10/724,727</i>
				Filing Date	12/02/2003
				First Named Inventor	Dexiang CHEN
				Group Art Unit	Unassigned <i>1648</i>
				Examiner Name	Unassigned <i>Chen</i>
				Attorney Docket Number	038481-0143

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>2</sup>	Number <sup>4</sup>		
<i>SBC</i>	A37	WO	97/44446		11/27/1997
	A38	WO	97/48485		12/24/1997
	A39	WO	98/10750		03/19/1998
	A40	WO	98/20734		05/22/1998
	A41	WO	99/27981		06/10/1999
	A42	WO	99/33488		07/08/1999

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
<i>SBC</i>	A43	LOBB, C.J., (1987) Developmental and Comparative Immunology 11: 727-738 (abstract only)			
	A44	HART et al., (1988) Developmental and Comparative Immunology 12:453-480 (abstract only)			
	A45	DICKERSON et al., (1988) Immunological Reviews 166:377-384 (abstract only)			
	A46	ORKIN et al., (1995) "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy"			
	A47	PAUL et al., (1995) Eur. J. Immunology 25:3521-3524			
	A48	KRIEG et al., (1995) Nature 374:546-549			
	A49	SATO et al. (1996) Science 273:352-354			
	A50	WOOLDRIDGE et al. (1997) Blood 89:2994-2998			
	A51	KLINMAN, D.M. (1998) Antisense and Nucleic Acid Drug Development 8:181-184			
	A52	KRIEG, A. (1998) Biodrugs 10:341-348			

Examiner Signature	<i>Stacy B. Chen</i>	Date Considered	Jan. 7, 2005
--------------------	----------------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>4</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>5</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: December 2, 2003 (use as many sheets as necessary)				<b>Complete if Known</b>	
Sheet	3	of	4	Application Number	APPL NO 10/724,727
				Filing Date	12/02/2003
				First Named Inventor	Dexiang CHEN
				Group Art Unit	Unassigned 1648
				Examiner Name	Unassigned Chen
				Attorney Docket Number	036481-0143

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
SBC	A53	MACFARLANE et al. (1998) J. Immunology 160:1122-1131		
	A54	GLENN et al. (1998) J. Immunology 161:3211-3214 (abstract only)		
	A55	GUY et al. (1998) Vaccine 16:850-856 (abstract only)		
	A56	MCCLUSKIE et al. (1998) J. Immunology 161:4463-4468		
	A57	SPARWASSER et al. (1998) J. Immunology 28: 2045-2054		
	A58	PORTER et al. (1998) Archives of Virology 143:997-1003		
	A59	MOLDOVEANU et al. (1998) Vaccine 16:1218-1224		
	A60	PAUL et al. (1998) Vaccine 16:188-195		
↓	A61	SPIEGLBERG et al. (1998) Allergy 53:93-97		

Examiner Signature	Stacy B. Cha	Date Considered	Jan. 7, 2005
--------------------	--------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

\*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: December 2, 2003 (use as many sheets as necessary)				<b>Complete If Known</b>	
Sheet	4	of	4	Application Number	APPL NO 10/724,727
				Filing Date	12/02/2003
				First Named Inventor	Dexiang CHEN
				Group Art Unit	Unassigned 1648
				Examiner Name	Unassigned Chen
				Attorney Docket Number	036481-0143

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
SBC	A62	WEINER et al. (1998) Proceedings of the American Association of Cancer Research <u>39</u> :551, col. 1, abstract number 3747			
	A63	VINNER et al. (1999) Vaccine <u>17</u> :2166-2175			
	A64	MCCLUSKIE et al. (1999) Critical Reviews in Immunology <u>19</u> :303-329			
	A65	SCHARTON-KERSTEN et al. (1999) Vaccine <u>17</u> (suppl. 2):S37-S43			
	A66	MCCLUSKIE et al. (1999) Vaccine <u>18</u> :231-237			
	A67	GLENN (1999) Infection and Immunity <u>87</u> :1100-1106			
	A68	GLENN et al. (1999) "Avances in vaccine delivery: transcutaneous immunization," Expert Opinion On Investigational Drugs <u>8</u> (6):797-805			
↓	A69	BABIUOK et al. (2000) J. Controlled Release <u>66</u> :199-214			

Examiner Signature	Haley B. Cha	Date Considered	Jan. 7, 2005
--------------------	--------------	-----------------	--------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.